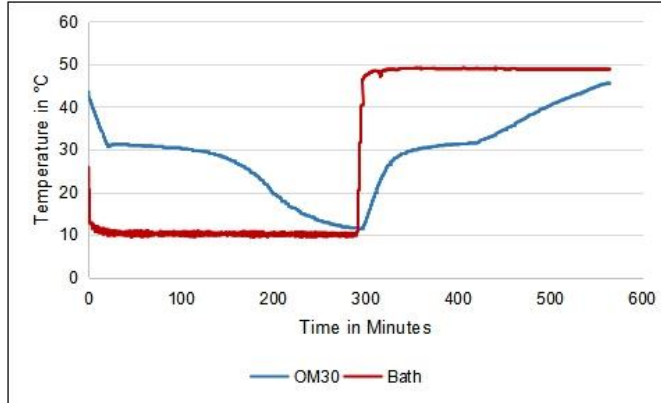


# TECHNICAL DATA SHEET OF savE® OM30

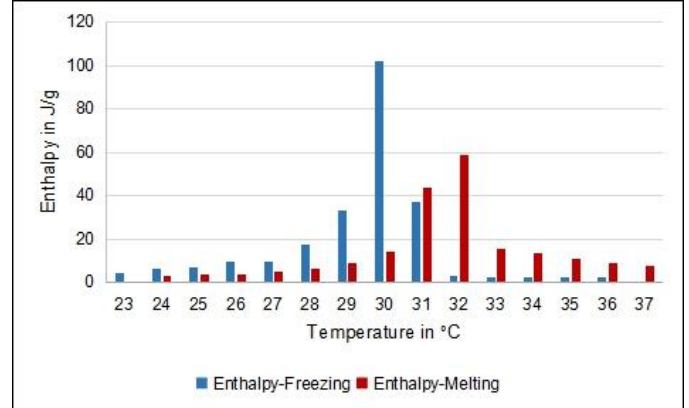
## Technical specification:

Product : savE® OM30  
 Description : Organic phase change material  
 Appearance : White waxy solid @25 °C

## Phase transition temperature range and stored thermal energy\*



Temperature vs time curve



Enthalpy vs temperature curve

Property	Value**	Test method	Test conditions (if any)
Phase transition temperature			
Melting	32 °C	PLUSS® T-History	@ 40 °C Air bath
Freezing	30 °C	PLUSS® T-History	@ 20 °C Liquid bath
Latent heat/enthalpy			
Liquid	206 kJ/kg	PLUSS® T-History	@ 27 to 37 °C
Solid	230 kJ/kg	PLUSS® T-History	@ 33 to 23 °C
Density			
Liquid	878 kg/m <sup>3</sup>	ASTM D891-95	@ 45 °C
Solid	906 kg/m <sup>3</sup>	ASTM D891-95	@ 25 °C
Specific heat			
Liquid	2.68 kJ/kgK	PLUSS® T-History	@ 45 °C
Solid	2.60 kJ/kgK	PLUSS® T-History	@ 25 °C
Thermal conductivity			
Liquid	0.123 W/mK	KD2Pro	@ 35 °C
Solid	0.185 W/mK	KD2Pro	@ 10 °C
Number of cycles tested	~2000	PLUSS® Internal	
Maximum operating temperature	90 °C		
Flammability	Yes		
Flash point	200 °C		

\* Determined by T-history

\*\*Nominal Valu[es]. Actual values mentioned in test certificate.

Compatibility data available on request.

PCM is available in bulk, pouches or in containers of choice (Refer to Document [301\\_PCM Encapsulation](#)).

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